

In the Specification:

Replace the paragraph beginning at page 1, line 22 with the following rewritten paragraph:

-- A battery housing or enclosure such as described is above is typically preformed and expands all dimensions of width, length and height of the battery package compared to the battery cell contained within and carried by the housing. The size of the battery package is further enlarged to accommodate other component parts such as mechanical engaging means to attach the battery package into the cellular telephone, electronic circuitry for charging control and battery cell protection, interface contact area to make electrical contact from the battery package to the cellular telephone. One example of such a complete prior art preformed battery package in a case is shown, for example, in U.S. Design Patent Des. 423,449 assigned to the same assignee as the present invention. --

Replace the paragraph beginning at page 6, line 11, with the following rewritten paragraph:

-- Detailed Description of Preferred Embodiments

Turning now to the drawings and considering the battery pack of the present invention in further detail, Fig. 1 is an exploded schematic perspective view of a battery pack embodying the

present invention and is generally designated 10. The battery pack 10 comprises at least one cell assembly, generally designated 12. In one embodiment, the cell assembly 12 is held between ribbed members 14, 16 extending lengthwise of the cell assembly 12 at opposite lateral edge portions 14a, 16a, respectively. The cell assembly 12 has a positive electrode terminal (not shown) which terminates at a positive voltage reference potential contact 20 located on the face portion 22 of the cell assembly 12. The cell assembly 12 has a negative electrode terminal (not shown) which terminates at a negative voltage reference potential contact 24 also located on the face portion 22 of the cell assembly 12. In one embodiment of the invention, a holder, generally designated 26, is provided and which holder has a size and shape for a complementary engagement with the end portion 28 of a ribbed cell assembly generally designated 15, which assembly 15 is defined by the cell assembly 12 and ribs 14, 16. It will be understood that the cell assembly 12 does not require the ribs 14, 16 to provide the intended function. The holder 26 has an outwardly facing cavity or void, generally designated 30, into which electronic components and connecting wiring associated with the electronic device or cellular telephone for interfacing with the battery may be nested. The wiring 34 electrically couples the respective positive voltage reference terminal 20 and ~~ground~~ negative reference voltage terminal 24 to provide the positive and negative reference voltage potentials and the control battery monitoring and status signals at the interface contact terminals 36, 38, 40 carried on the external face 42 of an electrical connection means such as, for example, the printed circuit board 32. The printed circuit board 32 may also carry electrical circuitry components, such as, for example, integrated circuits to control the electrical charge to the cell assembly 12, and for providing electrical short circuit or over-current protection for the cell assembly 12. Additional circuitry, such as, for example, cell voltage and current monitoring circuitry, cell temperature and the like, is provided for use by the portable electronic device or cellular telephone with which the battery pack 10 is used. Such signals may be provided at the contact 40, with contacts 36, 38 providing the voltage reference potential contacts. The wiring or other connections 34 may be soldered or spot-welded to the contacts 20, 24 or by other means now well known or future-developed. Once the circuit board 32 is assembled physically in place with the holder 26, the circuit board 32 can be ultrasonically welded or otherwise connected to the holder

26. With the circuit board 32 in place within the face opening of the cavity 30 of the holder 26, to effectively seal the cavity, the holder 26 is in turn held by the end 28 of the ribbed cell assembly 15. The entire assembly, with or without ribs, is now ready for molding using low temperature molding or low-pressure injection molding techniques as described herein below. --

Replace the paragraph beginning at page 9, line 29, with the following rewritten paragraph:

-- Turning now to Fig. 5, a further alternate embodiment of the battery pack of the present invention is illustrated therein. The cell, generally designated 150, includes positive and negative voltage potential terminals 152, 154 extending outwardly from one face end 156. A connection assembly 165 comprising conductive metal sheets 160, 162 separated by an insulator 164 forms a laminate which has holes or openings 166, 168 therein, through which the terminals 152, 154 extend therethrough. A holder, generally designated 170, is sized and shaped to be coextensive with the cell 150 and arranged to fit over the end 180 of the cell. The holder 170 includes two holes 171, 173 in alignment with the terminals 152, 154 which are threaded to receive screws 172, 174 to attach the holder 170 to the cell 150. The positive and negative reference voltage potentials are accessible through the face 176 of the holder 170 and in alignment with the positive and negative plates 160, 162 respectively of the laminate making contact with the positive and negative voltage potential of the battery cell. The screws 172, 174 are nonmetallic, as is the holder 170, and therefore nonconductive. Alternatively, the screws 172, 174 may be metallic if a thin insulating tape or plastic foil or other such electrically insulating means is used to separate the screws and printed wired board. --

Replace the paragraph beginning at page 10, line 15 with the following rewritten paragraph:

-- Turning now to Fig. 6, an alternate embodiment of the battery pack of the present invention is illustrated therein. The cell assembly is similar to that shown in Fig. 1 and comprises a

flat cell assembly 12, ribs 14, 16, a negative reference voltage potential contact 24 and a positive voltage reference potential contact 20. An aluminum ring insert having a shape generally conforming to the end face 22 of the cell assembly is generally designated 200 and is held to and engages with the holder 202. The holder 202 receives a printed circuit board 204, which carries electronic integrated circuits and other electronic circuitry components together with electrical wiring to interface the cell assembly with the portable electronic device or cellular telephone with which the battery pack is used. The printed circuit board 204 is received through the upper opening, generally designated 206, in the holder 202 and engages the lateral edges 208, 210 of the printed circuit board ~~206~~ 204 in slots 212, 214, respectively. Once the holder 202 is assembled with the aluminum ring 200, the completed assembly is then attached to the cell assembly by laser welding, ultrasonic welding or other technique well known to those skilled in the art to attach the aluminum ring 200 to the cell assembly. The interior of the holder 202 may be sealed by filling it with a nonconductive material. --

In the drawings:

Proposed redline drawing corrections are provided for the Examiner's approval.

Reference numbers "16" and "18" are removed from Figure 1. Reference numbers "14a" and "16a" are added to Figures 1 and 2. Amendments are made above to the specification to add the missing reference numbers shown in Figure 5.